

## SHEET INDEX

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## CIRCUIT NOTES:

DESIG	FUSE AMP	POTENTIAL	ONE PER
1-U/3		-48V TALK	CKT

P. 2.

FEATURE OR OPTION	PROVIDE	
	APP FIG.	QUANTITY
KS-1922V, LI AMPLIFIER	1	1 PER CKT

103.

NETWORK VALUES		
NETWORK	RESISTANCE IN OHMS	CAPACITANCE IN UF

104.

RECORD OF FIGURES, WIRING & APPARATUS CHANGES					
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS RECORD OPTION HAS FURN	SEE NOTE	USE IN CIRCUIT	
				STD	ASH
				NO	

## SUPPORTING INFORMATION

CATEGORY	NO.
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## OPTION INDEX

APP OR WRG	LOCATION
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## INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED:  
RESISTANCE VALUES ARE IN OHMS,  
CAPACITANCE VALUES ARE IN MICROFARADS,  
VALUES PRECEDED BY THE SYMBOL + (PLUS) OR  
- (MINUS) ARE IN VOLTS.
302. THE VOLTAGES SHOWN REPRESENT TYPICAL DC VALUES  
FOR A QUIESCENT CONDITION WITH AVERAGE  
TRANSISTORS AND NOMINAL SUPPLY VOLTAGE.  
THE VOLTAGES ARE MEASURED FROM POINTS  
SHOWN TO TERMINAL 2 USING A VOLTMETER  
HAVING A RESISTANCE OF 10 MEGOHMS (MINIMUM).
303. Q3 AND Q4 ARE SELECTED RC42H1484 TRANSISTORS HAVING  
MINIMUM BETA OF 50 AT 0-C COLLECTOR CURRENT OF 150 MILLI-  
AMPERES.

DATE	ISSUE	DATE	ISSUE
1	1	1	1
2D	APPD	5-14-64	APPD
3D	APPD	5-12-64	APPD
AA	APP	5-13-64	APP
5D	APP	5-8-64	APP
6D	APP	5-3-64	APP
7D	APP	5-17-64	APP
8D	APP	5-14-64	APP

NOTICE  
NOT FOR USE ON  
REVISIONS  
THE NEW SYSTEM  
ELECTRIC SYSTEM  
AND THE LAMP

15/0/6

8D

SD-9725-01

2N06

COMMON SYSTEMS  
KS-1922V, LI AMPLIFIER CIRCUIT

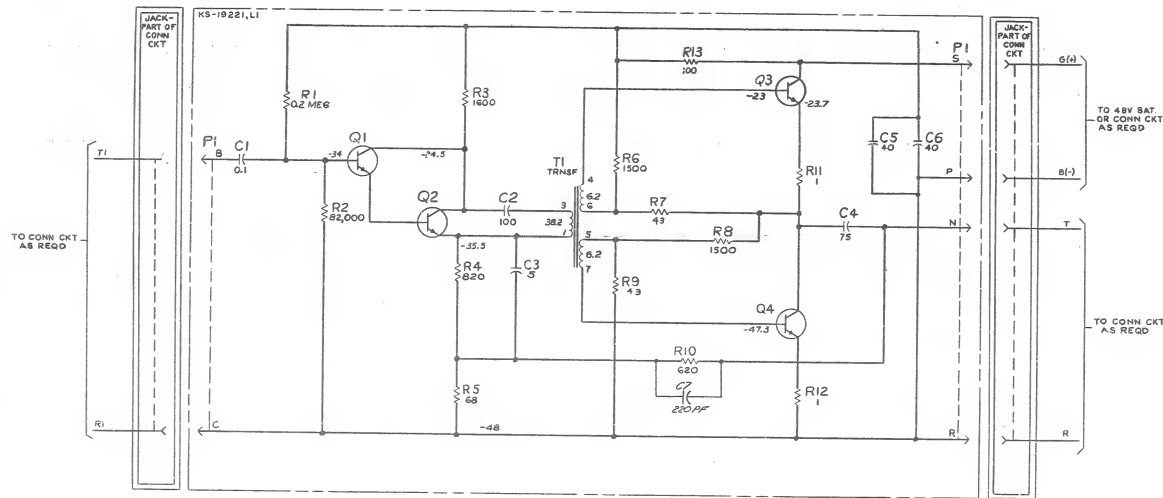
ASH ONLY

SD-9725-01-1  
3 SHEETS

BELL TELEPHONE LABORATORIES  
INCORPORATED

65

# FS I AMPLIFIER CIRCUIT



APP FIG. 1  
(FS1)  
KS-19221, L1 AMPLIFIER  
(PRINTED WIRING BOARD ASSEMBLY)

CAPACITOR

DESIG	LOC	CODE
C1	2D2	0.1UF, 50VMB
C2	3D8	100UF, KS-16390, L4
C3	2D4	5UF, 60V A
C4	2E6	75UF, KS-16390, L12
C5	2C7	40UF, KS-16390, L8
C6	2C7	40UF, KS-16390, L8
C7	2E5	300UF, 50VMB
		40C204A

CONNECTOR  
KS-16345, L1

DESIG	PI
CONN	PLUS
OPTION	
	NO. LOC
	5 2C7
	8 2F7
	7 2D7
	N 2D7
	M -
	L -
	K -
	J -
	I -
	H -
	G -
	F -
	E -
	D -
	C 2F2
	B 2D4
	A 2C2

RESISTOR

DESIG	LOC	CODE
R1	2C2	2 ME6, KS-19150, L1
R2	2D2	82,000, KS-19150, L1
R3	2C3	16000, KS-19151, L1
R4	2E3	8200, KS-19150, L1
R5	2F3	680, KS-19150, L1
R6	2D4	15000, KS-19151, L1
R7	2D5	430, KS-19150, L1
R8	2D5	15000, KS-19151, L1
R9	2E4	430, KS-19150, L1
R10	2E5	6200, KS-19150, L1
R11	2D6	10, 221A
R12	2F6	10, 221A
R13	2C5	100, KS-19150, L1

TRANSFORMER

DESIG	LOC	CODE
T1	2D4	25786

TRANSISTOR

DESIG	LOC	CODE
Q1	2C2	29A
Q2	2D3	
Q3	2C3	
Q4	2E3	2N484, RCA (SEE NOTE 303) OR 40484, RCA OR 2N486, RCA

DRAWING  
REVISION  
1  
20  
30  
4A  
50  
60  
70  
80